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RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/024,944

DATE: 01/16/2002  
 TIME: 18:40:12

Input Set : A:\EXT-073.ST25.txt  
 Output Set: N:\CRF3\01162002\J024944.raw

3 <110> APPLICANT: EXACT Science Corporation  
 4 Boles, T. Christian  
 5 Weir, Lawrence  
 6 Stone, Benjamin  
 8 <120> TITLE OF INVENTION: Detection of Non-Viral Organisms With SRP RNA  
 10 <130> FILE REFERENCE: EXT-073  
 12 <140> CURRENT APPLICATION NUMBER: US/10/024,944  
 13 <141> CURRENT FILING DATE: 2001-12-19  
 15 <150> PRIOR APPLICATION NUMBER: US 60/090,063  
 16 <151> PRIOR FILING DATE: 1998-06-19  
 18 <150> PRIOR APPLICATION NUMBER: US 08/971,845  
 19 <151> PRIOR FILING DATE: 1997-08-08  
 21 <160> NUMBER OF SEQ ID NOS: 27  
 23 <170> SOFTWARE: PatentIn version 3.0  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 21  
 27 <212> TYPE: RNA  
 28 <213> ORGANISM: Escherichia coli  
 30 <400> SEQUENCE: 1  
 31 gucagguccg gaaggaagca g 21  
 34 <210> SEQ ID NO: 2  
 35 <211> LENGTH: 22  
 36 <212> TYPE: DNA  
 37 <213> ORGANISM: Artificial Sequence  
 39 <220> FEATURE:  
 40 <223> OTHER INFORMATION: Complementary sequence of conserved E. coli 4.5S RNA region  
 41 nucleotide 44-65  
 43 <400> SEQUENCE: 2  
 44 gctgcttctt ccggacctg ac 22  
 47 <210> SEQ ID NO: 3  
 48 <211> LENGTH: 21  
 49 <212> TYPE: DNA  
 50 <213> ORGANISM: Artificial Sequence  
 52 <220> FEATURE:  
 53 <223> OTHER INFORMATION: Description of Artificial Sequence: shortened probe derived  
 from  
 54 complementary sequence of E. coli 4.5S RNA region 44-65  
 56 <400> SEQUENCE: 3  
 57 gctgcttctt ccggacctg a 21  
 60 <210> SEQ ID NO: 4  
 61 <211> LENGTH: 12  
 62 <212> TYPE: DNA  
 63 <213> ORGANISM: Artificial Sequence  
 65 <220> FEATURE:  
 66 <223> OTHER INFORMATION: Description of Artificial Sequence: a shorter probe derived  
 from  
 67 complementary sequence of E. coli 4.5S RNA region 44-65  
 69 <400> SEQUENCE: 4

ENTERED

70 getgettect to

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73 <210> SEQ ID NO: 5
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75 <212> TYPE: DNA
76 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Description of Artificial Sequence: a short probe derived
from
80     complementary sequence of E. coli 4.5S RNA region 44-65
82 <400> SEQUENCE: 5
83 gctgcttctc tccg                                     14
86 <210> SEQ ID NO: 6
87 <211> LENGTH: 14
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: a short probe derived
from
the
93     complementary sequence of E. coli 4.5S RNA region 44-65
95 <400> SEQUENCE: 6
96 gacctgacct ggta                                     14
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 41
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Description of Artificial Sequence: adaptor probe
107 <400> SEQUENCE: 7
108 gctgcttctc tccggacctg agtgaatacg ttcccgggcc t      41
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 41
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Description of Artificial Sequence: adaptor probe
119 <400> SEQUENCE: 8
120 gctgcttctc tccggacctg acaaaaacga taaaccaacc a      41
123 <210> SEQ ID NO: 9
124 <211> LENGTH: 18
125 <212> TYPE: DNA
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Description of Artificial Sequence: adaptor probe
131 <400> SEQUENCE: 9
132 ggcacacgcg tcactctgc                               18
135 <210> SEQ ID NO: 10
136 <211> LENGTH: 29
137 <212> TYPE: RNA
138 <213> ORGANISM: Escherichia coli
140 <400> SEQUENCE: 10
141 uuuaccaggu cagguccgga aggaagcag                     29
144 <210> SEQ ID NO: 11

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145 <211> LENGTH: 30
146 <212> TYPE: DNA
147 <213> ORGANISM: Artificial Sequence
149 <220> FEATURE:
150 <223> OTHER INFORMATION: Description of Artificial Sequence: complementary sequence
of
151     conserved E. coli 4.5S RNA region nucleotides 36-65
153 <400> SEQUENCE: 11
154 gctgcttcct tccggacctg acctggtaaa
157 <210> SEQ ID NO: 12
158 <211> LENGTH: 29
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: acrydite capture probe
164     13-III-ac
166 <400> SEQUENCE: 12
167 ttttttttta ggc ccggaa cgtattcac
170 <210> SEQ ID NO: 13
171 <211> LENGTH: 18
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: fluorescent sandwich
probe 2F
178 <400> SEQUENCE: 13
179 ggcacacgcy tcatctgc
182 <210> SEQ ID NO: 14
183 <211> LENGTH: 12
184 <212> TYPE: DNA
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: Description of Artificial Sequence: alkaline phosphatase
conjugated reporter probe RP-2
190 <220> FEATURE:
W--> 191 <221> NAME/KEY: n
192 <222> LOCATION: (1)..(1) /
193 <223> OTHER INFORMATION: gm
196 <220> FEATURE:
W--> 197 <221> NAME/KEY: n
198 <222> LOCATION: (2)..(2) /
199 <223> OTHER INFORMATION: cm
202 <220> FEATURE:
W--> 203 <221> NAME/KEY: n
204 <222> LOCATION: (3)..(3) /
205 <223> OTHER INFORMATION: um
208 <220> FEATURE:
W--> 209 <221> NAME/KEY: n
210 <222> LOCATION: (4)..(4) /
211 <223> OTHER INFORMATION: gm
214 <220> FEATURE:
W--> 215 <221> NAME/KEY: n

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216 <222> LOCATION: (5)..(5)
217 <223> OTHER INFORMATION: cm
220 <220> FEATURE:
W--> 221 <221> NAME/KEY: n
222 <222> LOCATION: (6)..(6) /
223 <223> OTHER INFORMATION: um
226 <220> FEATURE:
W--> 227 <221> NAME/KEY: n
228 <222> LOCATION: (7)..(7) /
229 <223> OTHER INFORMATION: um
232 <220> FEATURE:
W--> 233 <221> NAME/KEY: n
234 <222> LOCATION: (8)..(8) /
235 <223> OTHER INFORMATION: cm
238 <220> FEATURE:
W--> 239 <221> NAME/KEY: n
240 <222> LOCATION: (9)..(9) /
241 <223> OTHER INFORMATION: cm
244 <220> FEATURE:
W--> 245 <221> NAME/KEY: n
246 <222> LOCATION: (10)..(10) /
247 <223> OTHER INFORMATION: gm
250 <220> FEATURE:
W--> 251 <221> NAME/KEY: n
252 <222> LOCATION: (11)..(11) /
253 <223> OTHER INFORMATION: um
256 <220> FEATURE:
W--> 257 <221> NAME/KEY: n
258 <222> LOCATION: (12)..(12) /
259 <223> OTHER INFORMATION: cm
262 <400> SEQUENCE: 14
263 nnnnnnnnnn nn
266 <210> SEQ ID NO: 15
267 <211> LENGTH: 19
268 <212> TYPE: DNA
269 <213> ORGANISM: Artificial Sequence
271 <220> FEATURE:
272 <223> OTHER INFORMATION: Description of Artificial Sequence: gel-immobilized
acrydite-modified capture probe CP-1
274 <220> FEATURE:
W--> 275 <221> NAME/KEY: n
276 <222> LOCATION: (7)..(7) /
277 <223> OTHER INFORMATION: cm
280 <220> FEATURE:
W--> 281 <221> NAME/KEY: n
282 <222> LOCATION: (8)..(8) /
283 <223> OTHER INFORMATION: gm
286 <220> FEATURE:
W--> 287 <221> NAME/KEY: n
288 <222> LOCATION: (9)..(9)

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289 <223> OTHER INFORMATION: gm
292 <220> FEATURE:
W--> 293 <221> NAME/KEY: n
      294 <222> LOCATION: (10)..(10)
      295 <223> OTHER INFORMATION: 2'-o-methyl adenosine ribonucleotide
      298 <220> FEATURE:
W--> 299 <221> NAME/KEY: n
      300 <222> LOCATION: (11)..(11)
      301 <223> OTHER INFORMATION: cm
      304 <220> FEATURE:
W--> 305 <221> NAME/KEY: n
      306 <222> LOCATION: (12)..(12)
      307 <223> OTHER INFORMATION: cm
      310 <220> FEATURE:
W--> 311 <221> NAME/KEY: n
      312 <222> LOCATION: (13)..(13)
      313 <223> OTHER INFORMATION: um
      316 <220> FEATURE:
W--> 317 <221> NAME/KEY: n
      318 <222> LOCATION: (14)..(14)
      319 <223> OTHER INFORMATION: gm
      322 <220> FEATURE:
W--> 323 <221> NAME/KEY: n
      324 <222> LOCATION: (15)..(15)
      325 <223> OTHER INFORMATION: 2'-o-methyl adenosine ribonucleotide
      328 <220> FEATURE:
W--> 329 <221> NAME/KEY: n
      330 <222> LOCATION: (16)..(16)
      331 <223> OTHER INFORMATION: cm
      334 <220> FEATURE:
W--> 335 <221> NAME/KEY: n
      336 <222> LOCATION: (17)..(17)
      337 <223> OTHER INFORMATION: cm
      340 <220> FEATURE:
W--> 341 <221> NAME/KEY: n
      342 <222> LOCATION: (18)..(18)
      343 <223> OTHER INFORMATION: um
      346 <220> FEATURE:
W--> 347 <221> NAME/KEY: n
      348 <222> LOCATION: (19)..(19)
      349 <223> OTHER INFORMATION: gm
      352 <400> SEQUENCE: 15
W--> 353 tttttttnnnni nnnnnnnnn
      356 <210> SEQ ID NO: 16
      357 <211> LENGTH: 19
      358 <212> TYPE: DNA
      359 <213> ORGANISM: Artificial Sequence
      361 <220> FEATURE:
      362 <223> OTHER INFORMATION: Description of Artificial Sequence: gel-immobilized
acrydite-modified capture probe CP-2

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Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.

VERIFICATION SUMMARY  
 PATENT APPLICATION: US/10/024,944

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Input Set : A:\EXT-073.ST25.txt  
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L:12 M:270 C: Current Application Number differs, Replaced Current Application Number  
 L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
 L:191 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:197 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:203 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:209 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:215 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:221 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:227 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:233 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:239 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:245 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:251 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:257 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
 L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
 L:275 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:281 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:287 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:293 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:299 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:305 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:311 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:317 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:323 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:329 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:335 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:341 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:347 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
 L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
 L:365 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:371 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:377 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:383 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:389 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:395 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:401 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:407 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:413 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:419 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:425 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:431 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:437 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:16  
 L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
 L:455 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
 L:461 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
 L:467 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
 L:473 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
 L:479 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17

VERIFICATION SUMMARY  
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Input Set : A:\EXT-073.ST25.txt  
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L:485 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:491 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:497 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:503 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:509 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:515 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:521 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:17  
L:533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18  
L:623 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:713 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27